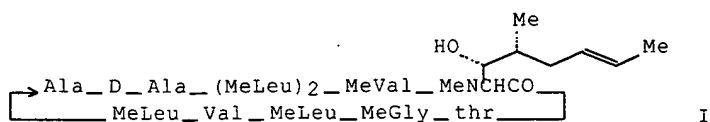


L35 ANSWER 257 OF 272 HCAPLUS COPYRIGHT 2006 ACS on STN
 ACCESSION NUMBER: 1981:585566 HCAPLUS Full-text
 DOCUMENT NUMBER: 95:185566
 TITLE: Cyclosporin C from Tolypocladium or Cylindrocarpon
 INVENTOR(S): Ruegger, Artur; Kuhn, Maz
 PATENT ASSIGNEE(S): Sandoz A.-G., Switz.
 SOURCE: Can., 8 pp. Division of Can. Appl. No. 264,703.
 CODEN: CAXXA4
 DOCUMENT TYPE: Patent
 LANGUAGE: English
 FAMILY ACC. NUM. COUNT: 3
 PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
-----	----	-----	-----	-----
CA 1106303	A2	19810804	CA 1980-353123	19800530
CH 614931	A	19791228	CH 1975-14195	19751104
GB 1567202	A	19800514	GB 1979-19922	19761102
CA 1087609	A1	19801014	CA 1976-264703	19761102
AT 7807681	A	19810315	AT 1978-7681	19781027
AT 364453	B	19811027		
AT 7807682	A	19810315	AT 1978-7682	19781027
AT 364454	B	19811027		
FI 8002084	A	19800630	FI 1980-2084	19800630
FI 60718	B	19811130		
FI 60718	C	19820310		
AU 8063565	A1	19810416	AU 1980-63565	19801021
AU 541682	B2	19850117		
DK 8502770	A	19850619	DK 1985-2770	19850619
PRIORITY APPLN. INFO.:			CH 1975-14195	A 19751104
			CA 1976-264703	A3 19761102
			DK 1976-4831	A 19761026
			FI 1976-3049	A 19761026
			AU 1976-19262	A 19761102
			GB 1976-45485	A 19761102

GI



AB Cyclosporin C (I) [59787-61-0] is obtained by cultivation of *T. inflatum* or *C. lucidum* and isolation from the fermentation broth by chromatog.; I is active against *Aspergillus niger* and has greater polarity than cyclosporins A and B. Thus, a culture broth obtained by aerobic fermentation of *T. inflatum* NRRL 8044 was extracted by an equal volume of BuOAc and the organic phase was separated and concentrated under vacuum. After defatting, the resulting material was dissolved in CHCl₃ and chromatographed on silica gel 60, using CHCl₃ with increasing amts. of MeOH as eluant. The fractions eluted with CHCl₃ + 3% MeOH and containing I were combined and the chromatog. purification repeated after evaporation of the combined fractions at 20-40°, the residue was treated with a mixture of alc. containing 5% charcoal followed by filtration and evaporation at 20-40° and then drying under vacuum at 55°. Final purification comprised dissolving the residue in ether and precipitating out I by shaking the mixture with hexane. The precipitate was collected on cooling and washed with cold hexane followed by drying under vacuum. From a 2.5-fold amount of Me₂CO, the residue afforded at -15° colorless prismatic needles of I: m.p. = 152-155°; [α]_D²⁰ = -255° (c = 0.5, CHCl₃); [α]_D²⁰ = -182° (c = 0.5, MeOH).

IT 59787-61-0P

RL: BMF (Bioindustrial manufacture); BIOL (Biological study); PREP

(Preparation)

(manufacture of, separation and purification in)

RN 59787-61-0 HCAPLUS

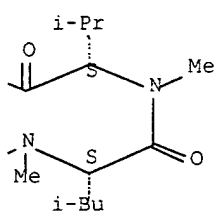
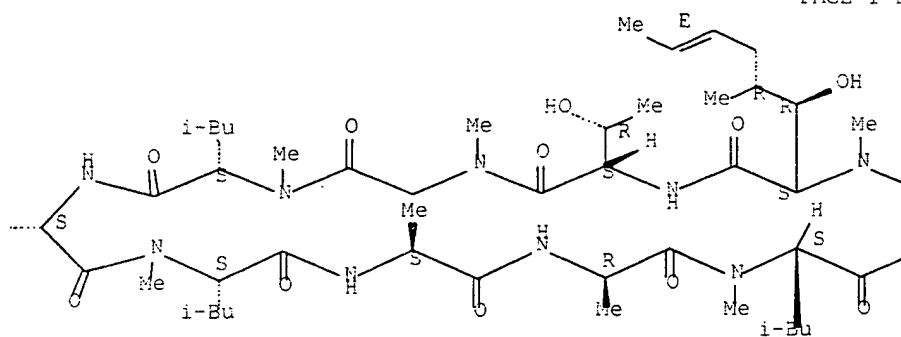
CN Cyclosporin C (9CI) (CA INDEX NAME)

Absolute stereochemistry.

Double bond geometry as shown.

PAGE 1-A

i-Pr



This Page Blank (uspto)